

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/812,016
				Filing Date	Herewith
				First Named Inventor	Charlie Chang-WON KIM
				Group Art Unit	3748
				Examiner Name	T. Trieu
Sheet	1	of	4	Attorney Docket Number	1110-316

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
gen	1 ✓	1,852,881		Minter	03/27/1934
	2 ✓	2,885,029		Nettel	02/12/1952
	3 ✓	3,396,533		Fischer	08/13/1968
	4 ✓	3,676,999		Oldfield	07/18/1972
	5 ✓	3,925,989		Pustelnik	12/16/1975
	6 ✓	3,961,199		Bronicki	06/01/1976
	7 ✓	4,005,578		McInemey	02/01/1977
	8 ✓	4,075,990		Ribeton	02/28/1978
	9 ✓	4,142,493		Schira et al.	03/06/1979
	10 ✓	4,164,032		Nohira et al.	08/07/1979
	11 ✓	4,164,206		Toelle	08/14/1979
	12 ✓	4,215,550		Dinger et al.	08/05/1980
	13 ✓	4,228,655		Herschmann et al.	10/21/1980
	14 ✓	4,350,129		Nakajima et al.	09/21/1982
	15 ✓	4,385,598		Nakajima et al.	05/31/1983
	16 ✓	4,388,802		Dinger et al.	06/21/1983
	17 ✓	4,393,853		Groves	07/19/1983
	18 ✓	4,426,848		Stachowicz	01/24/1984
	19 ✓	4,428,192		Dinger et al.	01/31/1984
	20 ✓	4,440,140		Kawagoe et al.	04/03/1984
	21 ✓	4,446,840		Nakagawa et al.	05/08/1984
	22 ✓	4,450,824		Ando et al.	05/29/1984
	23 ✓	4,452,217		Kawamura et al.	06/05/1984
Examiner Signature	MOWAN Y			Date Considered	3-3-05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	
				Filing Date	Herewith
				First Named Inventor	Charlie Chang-WON KIM
				Group Art Unit	3748
				Examiner Name	T. Trieu
Sheet	2	of	4	Attorney Docket Number	1110-316

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
BM	24	✓ 4,453,381		Dinger	06/12/1984
	25	✓ 4,502,283		Wandel	03/05/1985
	26	✓ 4,594,993		Engel et al.	06/17/1986
	27	✓ 4,596,225		Oonaka et al.	06/24/1986
	28	✓ 4,625,702		Onishi	12/02/1986
	29	✓ 4,738,110		Tateno	04/19/1988
	30	✓ 4,848,086		Inoue et al.	07/18/1989
	31	✓ 4,996,966		Hitomi et al.	03/05/1991
	32	✓ 5,090,204		Bonitz et al.	02/25/1992
	33	✓ 5,203,830		Faletti et al.	04/20/1993
	34	✓ 5,230,320		Hitomi et al.	07/27/1993
	35	✓ 5,363,091		Kotwicki et al.	11/08/1994
	36	✓ 5,408,979		Backlund et al.	04/25/1995
	37	✓ 5,440,880		Ceynow et al.	08/15/1995
	38	✓ 5,601,068		Nozaki	02/11/1997
	39	✓ 5,602,292		Hakansson	02/18/1997
	40	✓ 5,625,750		Puskorius et al.	04/29/1997
	41	✓ 5,703,777		Buchhop et al.	12/30/1997
	42	✓ 5,758,309		Satoh	05/26/1998
	43	✓ 5,771,867		Amstutz et al.	06/30/1998
	44	✓ 5,806,476		Hakansson	09/15/1998
	45	✓ 5,890,359		Enander	04/06/1999
	46	✓ 5,921,223		Fukuma	07/13/1999

Examiner Signature	Mohanty	Date Considered	3-3-05
-----------------------	---------	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code.

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	
				Filing Date	Herewith
				First Named Inventor	Charlie Chang-WON KIM
				Group Art Unit	3748
				Examiner Name	T. Trieu
Sheet	3	of	4	Attorney Docket Number	1110-316

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
BM	47 ✓	5,924,280		Tarabulski	07/20/1999
	48 ✓	6,009,862		Wanat et al.	01/04/2000
	49 ✓	6,012,424		Meistrick	01/11/2000
	50 ✓	6,029,452		Halimi et al.	02/29/2000
	51 ✓	6,079,211		Wollenweber et al.	06/27/2000
	52 ✓	6,125,828		Hu	10/03/2000
	53 ✓	6,152,104		Vorih et al.	11/28/2000
	54 ✓	6,170,474	B1	Israel	01/09/2001
	55 ✓	6,273,056	B1	Shirakawa et al.	08/2001
	57 ✓	6,258,993	B1	Halimi et al.	07/2001
	58 ✓	3,982,472		Baugelin	09/1975
	59 ✓	4,993,926		Cavanagh	02/1991
	60 ✓	6,530,363	B1	Blass	03/2003
D	61 ✓	4,879,673		Nagase et al.	11/1989

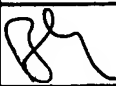
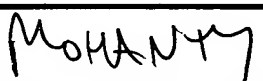
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³ Code	Number ⁴	Kind ⁵ (if known)			
BM	62	EP	0 105 828	A2	AMBAC INDUSTRIES, INC.	04/18/1984	
BM	63	EP	0 750 103	A2	TOYOTA JIDOSHA KABUSHIKI KAISHA	12/27/1996	
BM	64	GB	2 340 258	A	FORD GLOBAL TECHNOLOGIES, INC.	02/16/2000	
BM	65	EP	899437	A2	NAGAE, MASAHIRO	03/1999	
BM	66	JP	11324777	A	YOSHITOME et al.	11/1999	

Examiner Signature	Mohanty	Date Considered	3-3-05
--------------------	---------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Complete if Known</i>	
				Application Number	
				Filing Date	Herewith
				First Named Inventor	Charlie Chang-WON KIM
				Group Art Unit	3748
				Examiner Name	T. Trieu
Sheet	4	of	4	Attorney Docket Number	1110-316
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	67	ACEVES, S.M., et al., "HCCI Combustion: Analysis and Experiments", SAE Technical Paper Series, Government/Industry Meeting, Washington, D.C., May 14-16, 2001, 2001-01-2077, 9 pages.			
Examiner Signature				Date Considered	8-3-05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.